

**To:** CN=Erin Foresman/OU=R9/O=USEPA/C=US@EPA[]  
**Cc:** CN=Bruce Herbold/OU=R9/O=USEPA/C=US@EPA;CN=Tom Hagler/OU=R9/O=USEPA/C=US@EPA[]; N=Tom Hagler/OU=R9/O=USEPA/C=US@EPA[]  
**Bcc:** []  
**From:** CN=Karen Schwinn/OU=R9/O=USEPA/C=US  
**Sent:** Thur 5/19/2011 10:41:49 PM  
**Subject:** Re: X2 forays  
<http://www.epa.gov/region9/water/watershed/sfbay-delta/index.html>

totally agree that it would be good to do.....BUT as you recognize, we need to keep focused.on the long list of stuff we gave you and Bruce to pursue.

I will need to ask Bruce to do a BDCP task that we can no longer avoid but its more reactive than the proactive task you suggest, I'm afraid. We need to review the "operations" that have been developed as part of the 5 alternatives. I'd like to be able to say whether there are different operations that we think need to be included with the physical alternatives as they move into Effects Analysis, with the caveat that P&N isn't satisfactory. If we can't say that, I at least need to understand why.

So -

Erin - can you please go thru what we got from Patti and identify for Bruce the "operations" piece is they keep referring to.

Bruce - can you review and help us all understand this better, including their assumptions. Then we can discuss what feedback to give and how.

Thanks!

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KAREN SCHWINN  
Associate Director  
Water Division  
U.S. EPA Region 9  
75 Hawthorne Street (Wtr-1)  
San Francisco, CA 94105  
415/972-3472  
415/297-5509 (mobile)  
415/947-3537 (fax)  
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**From:** Erin Foresman/R9/USEPA/US  
**To:** Karen Schwinn/R9/USEPA/US@EPA  
**Cc:** Bruce Herbold/R9/USEPA/US@EPA, Tom Hagler/R9/USEPA/US@EPA  
**Date:** 05/19/2011 02:57 PM  
**Subject:** Re: X2 forays

Along the same lines, had a conversation with Nepstad after the BDCP meeting this morning. Last year I

had wanted to get FWS, NMFS, EPA, Corps and State Board together to discuss an alternative that would meet both ESA and CWA regulatory requirements for the SF Bay Delta Estuary. This would also be a good way to identify evaluation criteria to eliminate alternatives that do not meet these regulatory requirements.

It still seems like a good idea, but it is hard to know how much time to invest in BDCP given other priorities and its tendency to be an accelerated absorber of time, energy, \$.

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Erin Foresman  
Environmental Scientist & Policy Coordinator,  
US EPA Region 9 C/O Army Corps of Engineers  
650 Capitol Mall Suite 5-200, Sacramento, CA 95814  
Phone: (916) 557 5253, Fax: (916) 557 6877

<http://www.epa.gov/region9/water/watershed/sfbay-delta/index.html>

-----Karen Schwinn/R9/USEPA/US wrote: -----

To: Bruce Herbold/R9/USEPA/US@EPA  
From: Karen Schwinn/R9/USEPA/US  
Date: 05/19/2011 02:32PM  
cc: Tom Hagler/R9/USEPA/US@EPA, Erin Foresman/R9/USEPA/US@EPA  
Subject: Re: X2 forays

Yes. I saw that ltr and have referred to it in my BDCP communications. Sorry I didn't share with you but I thought Les had called you about it a few weeks ago. I definitely support us putting our heads together with Water Board on this. I want to do whatever we can to:

- align with them on BDCP input

And

- help move them forward on their eventual Delta outflow amendments.

Thanks!

Bruce Herbold

----- Original Message -----

From: Bruce Herbold  
Sent: 05/19/2011 01:59 PM PDT  
To: Karen Schwinn  
Subject: Fw: X2 forays

you saw this? Over Tom Howard's signature! I stand in amazement!

I'll be contacting ASC soon, but I am developing some thoughts about what the work would actually look like.

B

----- Forwarded by Bruce Herbold/R9/USEPA/US on 05/19/2011 01:57 PM -----

From:  
"Les Grober" <lgrober@waterboards.ca.gov>

To:  
Bruce Herbold/R9/USEPA/US@EPA

Date:

05/18/2011 05:28 PM

Subject:  
Re: X2 forays

Yes, let's talk. To stimulate conversation we sent the attached letter to BDCP last month. It has stimulated conversation but the question of what specific metric or constraint on operations is still an open question. I have met a couple of times with DWR and BDCP consultants to start converging on what the specific modeling assumptions should be. Would you be interested to meet with me and perhaps also with BDCP and DWR modeling staff at some point?

>>> <Herbold.Bruce@epamail.epa.gov> 5/18/2011 5:00 PM >>>

Did you go anywhere down the path of setting a higher level of protection using the spring X2 equation?

I am interested in trying to use something similar to get at more year-round pictures, obviously primarily in the context of fall, which went from slowly changing into a sudden large stabilization in 2000.

I had asked Wim about working on this topic as he had in 1992, but he is swamped as usual AND his girlfriend is going into surgery.

So I am considering pursuing it some myself and/or in partnership with people at the Aquatic Science Center, with whom we have a contract to help with the ANPR. Where do your interests lie in this regard? What sort of timeline do you have for providing suggestions to BDCP? We have also been asked for suggestions and this may be part of that effort, or there may not be enough time.

let's talk....

Bruce  
[attachment "BDCP.pdf" deleted by Karen Schwinn/R9/USEPA/US]